

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-17 have been cancelled.

Listing of Claims:

What is claimed is:

18. **(Currently Amended)** A method for lining concrete structures comprising:
 - (a) cleaning a surface of a concrete structure;
 - (b) applying a foam liner material to said surface of said concrete structure; **and**
 - (c) **curing said foam liner material to form a surface layer and a barrier layer on said concrete structure.**
19. **(Currently Amended)** The method of claim ~~14~~ **18**, wherein the foam liner material is a polyurea foam.
20. **(Currently Amended)** The method of claim ~~14~~ **18**, wherein the foam liner material is a polyurethane foam.
21. **(Currently Amended)** The method of claim ~~14~~ **18**, wherein step (a) further includes the steps of:
 - (a) pressure washing the surface of the concrete structure; and
 - (b) heat drying the surface of the concrete structure.
22. **(New) The method of claim 18, wherein said foam liner is applied directly to said surface of said concrete structure.**
23. **(New) A method for lining concrete structures comprising:**
 - (a) **cleaning a surface of a concrete structure;**

(b) applying a foam material directly to said surface of said concrete structure; and

(c) curing said foam material to result in the formation of a protective liner over said concrete structure.

24. (New) The method of claim 23, wherein the step of curing results in a protective liner with at least two separate layers.

25. (New) The method of claim 23, wherein the step of curing results in a protective liner with at least three separate layers.

26. (New) The method of claim 23, wherein the step of curing results in a protective liner comprised of an inner hard shell, an outer bonding layer and an insulative core between said hard shell and bonding layer.

27. (New) The method of claim 24, wherein one of said layers provides rigidity and structural integrity to the liner;

28. (New) The method of claim 24, wherein one of said layers is cellular in structure.

29. (New) The method of claim 24, wherein one of said layers traps air within its structure to provide an insulating effect by said layer.

30. (New) The method of claim 24, wherein one of said layers is a bonding layer that bonds the other layer to the surface of the concrete structure.

31. (New) The method of claim 30, wherein said bonding layer seals the surface of the concrete structure.

32. (New) The method of claim 25, wherein

(a) one of said layers provides rigidity and structural integrity to the liner;

(b) another of said layers is cellular in structure and traps air within a portion of said cells to provide an insulating effect by said layer; and

(c) another of said layers is a bonding layer that bonds the other layers to the surface of the concrete structure.